



# Material Safety Data Sheet

## 1. Product and Company Identification

**Material name** CH206A  
**Use of the preparation** Inkjet printing.  
**Version #** 01  
**Revision date** 04-04-2009  
**CAS #**  
**Synonym(s)** ColorSpan 0900461-005  
**Company identification**  
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**Date prepared** Apr 04, 2009  
**MSDS number** 378487

## 2. Hazards Identification

**Emergency overview** Contains Humectant; Contact with eyes may cause irritation.  
**Acute health effects**  
**Skin contact** Avoid contact with the skin. Prolonged and/or repeated skin contact may result in mild irritation or redness.  
**Eye contact** Avoid contact with eyes. Contact with eyes may cause irritation.  
**Inhalation** Exposure to oil mist/fume/vapor may cause respiratory tract irritation.  
**Ingestion** Contains ethylene or diethylene glycol, may cause central nervous system depression, liver and kidney damage. Harmful if swallowed.  
*Diethylene glycol*  
Harmful if swallowed. May cause kidney and liver damage. May depress the central nervous system.  
**Potential health effects**  
**Routes of exposure** Potential routes of exposure under normal use conditions are skin, eye contact and inhalation. Ingestion is not expected to be a primary route of exposure for this product under normal use conditions.

## 3. Composition / Information on Ingredients

| Component/substance | CAS number  | % by weight |
|---------------------|-------------|-------------|
| Water               | 7732-18-5   | 70-97       |
| Diethylene glycol   | 111-46-6    | 1-10        |
| Humectant           |             | 1-10        |
| Acrylic Polymer     | Polymer     | 0.05-5      |
| Pigment             | Proprietary | 0.05-5      |



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## 4. First Aid Measures

### First aid procedures

#### Eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

#### Skin contact

In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water.

Wash clothing separately before reuse.

#### Inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. Get medical attention, if needed. If not breathing, give artificial respiration or give oxygen by trained personnel.

#### Ingestion

In the unlikely event of swallowing contact a physician or poison control center.

## 5. Fire Fighting Measures

### Flash point and method

> 200 °F (> 93.3 °C) Closed Cup;

### Hazardous combustion products

Carbon monoxide and carbon dioxide.

### Extinguishing media

#### Suitable extinguishing media

Use any media suitable for the surrounding fires.

### Protection of firefighters

#### Protective equipment and precautions for firefighters

Wear suitable protective equipment.

## 6. Accidental Release Measures

### Personal precautions

Avoid contact with skin. Do not touch or walk through spilled material.

Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter.

### Environmental precautions

Do not flush into surface water or sanitary sewer system.

### Methods for cleaning up

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Clean up in accordance with all applicable regulations.

Clean-up methods - small spillage; Flush area with flooding quantities of water.

## 7. Handling and Storage

### Handling

Avoid contact with skin, eyes and clothing. Use personal protective equipment as required. Use only with adequate ventilation. When using, do not eat, drink or smoke.

### Storage

Keep out of the reach of children. Keep tightly closed in a dry, cool and well-ventilated place. Store at room temperature.

## 8. Exposure Controls / Personal Protection

### Personal protective equipment

#### General

Eye wash fountain and emergency showers are recommended.

#### Eye / face protection

Wear safety glasses; chemical goggles (if splashing is possible).

#### Skin protection

Wear appropriate chemical resistant clothing.

Wear appropriate chemical resistant gloves.

#### Respiratory protection

Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.

Provide adequate ventilation.

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

Launder contaminated clothing before reuse.



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## 9. Physical & Chemical Properties

|   |                                  |
|---|----------------------------------|
| <b>Color</b>  | Medium Cyan                      |
| <b>Odor threshold</b>                                 | Not available.                   |
| <b>Physical state</b>                                 | Liquid.                          |
| <b>Form</b>   | Aqueous solution.                |
| <b>pH</b>   | 8                                |
| <b>Melting point</b>                                  | < 32 °F (< 0 °C)                 |
| <b>Freezing point</b>                                 | Not available.                   |
| <b>Boiling point</b>                                  | > 212 °F (> 100 °C)              |
| <b>Flash point</b>                                    | > 200 °F (> 93.3 °C) Closed Cup; |
| <b>Evaporation rate</b>                               | Not available.                   |
| <b>Flammability</b>                                   | Not available.                   |
| <b>Flammability limits in air, upper, % by volume</b> | Not available.                   |
| <b>Flammability limits in air, lower, % by volume</b> | Not available.                   |
| <b>Vapor pressure</b>                                 | Not available.                   |
| <b>Vapor density</b>                                  | Not available.                   |
| <b>Specific gravity</b>                               | 1                                |
| <b>Relative density</b>                               | Not available.                   |
| <b>Solubility (water)</b>                             | Miscible                         |
| <b>Partition coefficient (n-octanol/water)</b>        | Not available.                   |
| <b>Auto-ignition temperature</b>                      | Not available.                   |
| <b>Decomposition temperature</b>                      | Not available.                   |
| <b>VOC</b>  | < 200 g/L                        |

## 10. Chemical Stability & Reactivity Information

|   |   |
|---|---|
| <b>Chemical stability</b>                 | Stable under normal storage conditions. |
| <b>Incompatible materials</b>             | None established.                       |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerisation does not occur |

## 11. Toxicological Information

|                       |                             |
|-----------------------|-----------------------------|
| <b>Acute toxicity</b> | No information available.   |
| <b>Mutagenicity</b>   | Not mutagenic in AMES Test. |

## 12. Ecological Information

|                                      |   |
|--------------------------------------|---|
| <b>Ecotoxicity</b>                   | No data is available on the product itself. |
| <b>Persistence and degradability</b> | Not available.                              |

## 13. Disposal Considerations

|                              |  |
|------------------------------|--|
| <b>Disposal instructions</b> | Dispose of in compliance with federal, state, and local regulations. Do not allow this material to drain into sewers/water supplies. |
|------------------------------|--|

## 14. Transport Information

### IATA

Not regulated as dangerous goods.



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## 15. Regulatory Information

|  |  |
|--|--|
| <b>US federal regulations</b>                                      | US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.         |
| <b>CERCLA (Superfund) reportable quantity</b>                      | None   |
| <b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b> |  |
| <b>Hazard categories</b>   | Immediate Hazard - No<br>Delayed Hazard - No<br>Fire Hazard - No<br>Pressure Hazard - No<br>Reactivity Hazard - No |
| <b>Section 302 extremely hazardous substance</b>                   | No   |
| <b>Section 311 hazardous chemical</b>                              | No   |
| <b>State regulations</b>   |  |
| US - Pennsylvania RTK - Hazardous Substances: Listed substance     |  |
| Diethylene glycol (111-46-6)                                       | Listed.  |

## 16. Other Information

|                             |   |
|-----------------------------|---|
| <b>HMIS® ratings</b>        | Health: 1<br>Flammability: 1<br>Physical hazard: 0<br>Personal protection: B  |
| <b>NFPA ratings</b>         | Health: 1<br>Flammability: 1<br>Instability: 0  |
| <b>Issue date</b>           | Apr 4 2009 12:41AM  |
| <b>Revision</b>             | 1   |
| <b>Replaces sheet dated</b> | Mar 18 2009 8:39PM  |
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## Explanation of abbreviations

|                                 |   |
|---------------------------------|---|
| ACGIH                           | American Conference of Governmental Industrial Hygienists   |
| CAS                             | Chemical Abstracts Service  |
| CERCLA                          | Comprehensive Environmental Response Compensation and Liability Act                                   |
| CFR                             | Code of Federal Regulations   |
| COC                             | Cleveland Open Cup  |
| DOT                             | Department of Transportation  |
| EPCRA                           | Emergency Planning and Community Right-to-Know Act (aka SARA)   |
| IARC                            | International Agency for Research on Cancer   |
| NIOSH                           | National Institute for Occupational Safety and Health   |
| NTP                             | National Toxicology Program   |
| OSHA                            | Occupational Safety and Health Administration   |
| PEL                             | Permissible Exposure Limit  |
| RCRA                            | Resource Conservation and Recovery Act  |
| REC                             | Recommended   |
| REL                             | Recommended Exposure Limit  |
| SARA                            | Superfund Amendments and Reauthorization Act of 1986  |
| STEL                            | Short-Term Exposure Limit   |
| TCLP                            | Toxicity Characteristics Leaching Procedure   |
| TLV                             | Threshold Limit Value   |
| TSCA                            | Toxic Substances Control Act  |
| VOC                             | Volatile Organic Compounds  |
| <b>Manufacturer information</b> | Hewlett-Packard<br>11311 K-Tel Drive<br>Minnetonka, MN 55343 US<br>Product Information 1-800-925-0563 |